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BEE CULTURE

E. F. Phillips, Apiculturist in Charge

The National Beekeepers' Association met at Buffalo March 9-11. At this meeting the old association was discontinued and in its place was organized the American Honey Producers' League. The new organization aims especially to facilitate the marketing of honey, but will continue work formerly done by the National in legislative activity and protection of members. Membership in the League is through affiliated State or County organizations. It is believed by the organizers of the League that the future prosperity of the beekeepers of the country demands an organizing of marketing since the great increase in honey production during recent years may result in a drop in prices unless steps are taken to stimulate the honey market.

The series of extension short courses for the winter ended with the one held at Cornell University during the week of February 23. Those arranged in Kansas, Iowa, and Minnesota during February were called off because of the influenza epidemic. During the present fiscal year ten of these courses have been held, making 17 in all. The average attendance has been well over 100 and those in attendance have been chiefly extensive beekeepers, for whom the work was planned. At the New York course, for example, the average number of colonies reported was 100. These courses have proved very popular among extensive beekeepers and constitute one of the most valuable phases of the beekeeping extension work. Unfortunately they can not be continued further without interfering too greatly with other necessary work and it has been found impossible to arrange for a special staff for this purpose. In the future, therefore, these courses will not be given, except possibly in unusually important places.

DECIDUOUS FRUIT INSECT INVESTIGATIONS

A. L. Quaintance, Entomologist in Charge

C. P. Clausen, who was recently appointed to undertake a study of parasites of the Japanese beetle in Japan, is now en route to that country.

E. R. Van Leeuwen, who has been temporarily in Washington, has been placed in charged of the Bureau's laboratory at Cornelia, Ga., where life-history studies of the codling moth in that region will be conducted.

John B. Gill, who has been temporarily in Washington, has returned to Monticello, Fla., to resume his field duties in connection with pecan insect investigations.

The Bureau's laboratory at Seaview, Wash., where investigations of

cranberry insects were made for the past two seasons, in cooperation with the Washington Agricultural College, has now been discontinued, the important problems having been worked out.

LIBRARY

Mabel Colcord, Librarian

New Books

- Dadant, M. G. Outapiaries and their management. 124 p. illus., Hamilton, Ill., 1919.
- Faes, Henri, Essais et traitement effectues dans le vignobles vaudois contre le ver de la vigne (*Cochlis*) en 1919. 12 p. Lausanne, Imprimerie vaudoise, 1919.
- Ferris, C.G. Contribution towards a monograph of the sucking lice. Part I. 51 p., illus. Stanford University, Cal. Published by the University, 1919.
- Fitzsimmons, F.W. The house fly... 16 p. Port Elizabeth, M. Lazarus, 1919.
- Gravenhorst, J.L.C. Dissertatio sistens conspectum historiae entomologiae imprimis systematum entomologicorum... 36 p. Helmstadii, Ex officina C.G. Fleckeisen (1801).
- Great Britain - Board of agriculture and fisheries (Intelligence dept. Plant diseases branch). Miscellaneous publication 23. Report of the occurrence of insect and fungus pests on plants in England and Wales in the year 1918. 65 p. London, Printed by his Majesty's stationery office, 1920.
- Hudwen, S. Warble flies, *Hypoderma lineatum* Villers and *Hypoderma bovis* de Geer. 24 p., illus., 4 col. pl. Ottawa, J. de Labroquerie Tache, 1919. (Canada Dept. Agr. Health of animals branch. Sci.Ser. 27.)
- Hitchcock, A.S. The genera of grasses of the United States with special reference to the economic species. 307 p. 174 figs. U.S. Dept. Agr. Bul. 772.
- Illingworth, J.F. Work of the division of entomology - White grubs. (Queensland Bureau of sugar experiment stations. Ann. Rept. 19. Nov. 1919, pt. 10.)
- Kannan, K. Kuhn. Pulse beetles (Store form). 31 p., illus. Bangalore, Printed at the government press, 1919. (Mysore, Dept. Agr. Ent Ser. Bul. 6.)

- King, J.L. The angoumois grain moth. Harrisburg, January, 1920. (Penn. Dept. Agr. Bureau of plant industry J. G. Sanders, Director, Circ. 1.)
- Needham, J.G. General biology. 546 p., illus. Ithaca, N. Y., The Comstock publishing Co. 1917.
- Quebec society for the protection of plants. Annual report 11, 1918/19.
- Ramirez, Roman. El picudo de algodón. 19 p., plates. Mexico, 1917. (Secretaría de fomento, colonización e industria, Dirección de agricultura.)
- Report of the Congressional joint commission on salaries, submitting a classification of positions on the basis of duties and qualifications and schedules of compensation for the respective classes. 884 p., March 12, 1920. Washington, Government printing office, 1920.
- Royal society, London. Grain pests (war) committee. Reports 6-7. London Harrison & sons, January, 1920.
- Sirrims, Samuel. A modern bee-farm and its economic management. 499 p., illus., Heathfield, Sussex, Published by the author, May, 1914.
- South Australia, Dept. of Agriculture. The sheep tick. Life history, by F.E. Place. Effect on sheep, by Henshaw Jackson... Eradication, legal control, etc., by T.H. Williams....with microphotographs by D.F. Laurie.... The sheep louse, by T.H. Williams.... 11 p., illus. Bul. 84.) Adelaide, R.E.E. Rogers, Government printer, 1914.
- Tasmania Agriculture and stock dept. Bulletins 77, 78, and 82. John Vail, Government printer, 1918.
77. Nicholls, H.M. The codling moth. 9 p., illus.
78. Nicholls, H.M. Scale insects. 12 p.
82. Nicholls, H.M. The woolly aphis. 8 p.
- Winter, W.R. The fruit fly. (n.p.) 1913. 15 p. (Bermuda Dept. of Agriculture.)

SOUTHERN FIELD CROP INSECT INVESTIGATIONS.

J.L. Webb, Entomological Assistant, Acting in Charge.

F.C. Bishopp spent several days in Washington recently in connection with the preparation of several reels of motion picture films dealing with the screw worm of cattle, the horn fly, and the stable fly. Mr. Bishopp also made a trip to various counties in New York for the purpose of investigating the ox warble situation in that State.

E.R. Barber expects to return to Cuba shortly for the purpose of collecting and shipping to this country parasites of the sugar-cane moth borer. The results of his shipments in 1919 have been so promising that the Louisiana Sugar Planters Association has provided four assistants to accompany Mr Barber to Cuba this year. This insures an increased supply of the parasites for colonization in the Louisiana cane fields.

Great interest is being manifested throughout the cotton belt in the campaign for control of the boll weevil by the use of calcium arsenate. Letters from farmers and cotton planters asking for information are pouring in daily although the boll weevil season has not opened yet. Great quantities of calcium arsenate are being shipped to points in the cotton belt. The limiting factor in the adoption of this system of boll weevil control, however, will be the supply of suitable machinery for application of the poison, which so far is inadequate to meet the demands of the situation. The manuscript for a Farmers' Bulletin giving full information upon the subject is now in the hands of the Department editor. In the meantime a mimeographed circular giving briefly the main points to be considered in poisoning operations has been issued and is being distributed both from the Delta Laboratory, Tallulah, La., and from the Washington office.

TRUCK CROP INSECT INVESTIGATIONS

F. H. Chittenden, Entomologist in Charge

T. H. Jones, entomological assistant, has resumed his work at Baton Rouge, La., having completed a preliminary survey of the entomological situation at Fort Myers, Fla.

J. W. Sauer and J. M. Reily, assistant entomological inspectors in Texas, and W. M. Mingee, W. H. Carpenter, and L. M. Prichard, field assistants in insect control, have severed their connection with the entomological service. The last three will hereafter be connected with the Mississippi State Plant Board.

---BUY W. S. S.---

Indication that the public has ceased to be spendthrift and is again inclining toward thrift and sound investment is seen in the heavy inquiries for small denomination Liberty Bonds at banks and brokers throughout the country.

The demand has reached the Treasury Department, many dealers having exhausted their available supply of the "popular" sizes of these securities, it was announced today by the Savings Division of the Treasury Department.

To supply the large "over the counter" demand for \$50 and \$100 bonds at present favorable market prices, the Treasury Department has issued instructions to the Federal Reserve Banks which will expedite exchange of bonds of larger denominations for the small units.

The instructions also provide ways and means by which banks and dealers may obtain the smaller denominations in the first instance if their customers require them.

---BUY W. S. S.---